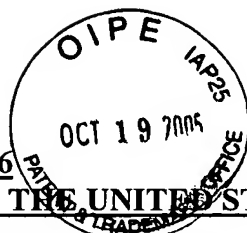


S/N 10/789,736



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Zhiping Yin et al.

Examiner: Christian D. Wilson

Serial No.: 10/789,736

Group Art Unit: 2891

Filed: February 27, 2004

Docket: 303.885US1

Title: TRANSPARENT AMORPHOUS CARBON STRUCTURE IN
SEMICONDUCTOR DEVICES

COMMUNICATION CONCERNING RELATED APPLICATION(S)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related application(s) in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date/Issue Date</u>	<u>Attorney Docket</u>	<u>Title</u>
11/215614	August 30, 2005	303.864US2	TRANSPARENT AMORPHOUS CARBON STRUCTURE IN SEMICONDUCTOR DEVICES
11/215532	August 30, 2005	303.864US3	TRANSPARENT AMORPHOUS CARBON STRUCTURE IN SEMICONDUCTOR DEVICES
11/215761	August 30, 2005	303.864US4	TRANSPARENT AMORPHOUS CARBON STRUCTURE IN SEMICONDUCTOR DEVICES
11/215671	August 30, 2005	303.869US2	MASKING STRUCTURE HAVING MULTIPLE LAYERS INCLUDING AN AMORPHOUS CARBON LAYER

Continuations and divisionals may be later filed on the cases listed above, or cited to the Examiner in any previous Communication Concerning Related Applications. Applicants request that the Examiner review all continuations and divisionals of the above-listed or previously-cited patent applications before allowing the claims of the present patent application.

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 10/789,736

Filing Date: February 27, 2004

Title: TRANSPARENT AMORPHOUS CARBON STRUCTURE IN SEMICONDUCTOR DEVICES

Page 2
Dkt: 303.885US1

Respectfully submitted,

ZHIPING YIN ET AL.

By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938

Minneapolis, MN 55402

(612) 371-2157

Date 17 October 2005

By

David R. Cochran

Reg. No. 46,632

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 17 day of October, 2005.

Name

KACIA LEE

Signature

Kacia

S/N 10/789,736



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Zhiping Yin et al.	Examiner:	Christian D Wilson
Serial No.:	10/789,736	Group Art Unit:	2891
Filed:	February 27, 2004	Docket:	303.885US1
Title:	TRANSPARENT AMORPHOUS CARBON STRUCTURE IN SEMICONDUCTOR DEVICES		

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Serial No :10/789,736

Filing Date: February 27, 2004

Title: TRANSPARENT AMORPHOUS CARBON STRUCTURE IN SEMICONDUCTOR DEVICES

Page 2
Dkt: 303.885US1

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

Respectfully submitted,

ZHIPING YIN ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 371-2157

Date 17 October 2005

By



David R. Cochran

Reg. No. 46,632

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 17 day of October, 2005.

Name

KACIA LEE

Signature

Kacia Lee

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/789,736
	Filing Date	February 27, 2004
	First Named Inventor	Yin, Zhiping
	Group Art Unit	2891
	Examiner Name	Wilson, Christian
Sheet 1 of 2	Attorney Docket No: 303.885US1	

US PATENT DOCUMENTS				
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2001/0006837-A1	07/05/2001	Kwon, S , et al.	12/14/2000
	US-2002/0001778-A1	01/03/2002	Latchford, I , et al.	08/02/2001
	US-2002/0086547-A1	07/04/2002	Mui, D. S., et al.	07/13/2001
	US-2003/0207207	11/06/2003	Li, Weimin	05/03/2002
	US-2005/0056940-A1	03/17/2005	Sandhu, G. S., et al.	09/12/2003
	US-4,975,144	12/04/1990	Yamazaki, S. , et al.	03/17/1989
	US-5,800,878	09/01/1998	Yao, Xiang Y.	10/24/1996
	US-5,830,332	11/03/1998	Babich, E. D., et al.	01/09/1997
	US-5,998,100	12/07/1999	Azuma, T.	09/05/1997
	US-6,035,803	03/14/2000	Robles, Stuardo , et al.	09/29/1997
	US-6,211,065	04/03/2001	Xi, Ming , et al.	10/10/1997
	US-6,291,334	09/18/2001	Somekh, Somekh	12/19/1997
	US-6,316,329	11/13/2001	Hirota, T. , et al.	12/28/1999
	US-6,323,119	11/27/2001	Xi, Ming , et al.	10/10/1997
	US-6,331,380	12/18/2001	Ye, Y. , et al.	04/14/2000
	US-6,423,384	07/23/2002	Khazeni, Kasra , et al.	06/25/1999
	US-6,447,891	09/10/2002	Veerasamy, V. S., et al.	10/30/2000
	US-6,461,950	10/08/2002	Yin, Zhiping , et al.	05/30/2001
	US-6,508,911	01/21/2003	Han, Nianci , et al.	08/16/1999
	US-6,541,397	04/01/2003	Bencher, Christopher D.	03/29/2002
	US-6,551,941	04/22/2003	Yang, Chan-syun D., et al.	02/22/2001
	US-6,566,757	05/20/2003	Banerjee, I.	03/01/2000
	US-6,573,030	06/03/2003	Fairbairn, Kevin , et al.	06/08/2000
	US-6,624,064	09/23/2003	Sahin, Turgut , et al.	10/10/1997
	US-6,627,532	09/30/2003	Gaillard, Frederic	10/05/2000
	US-6,653,735	11/25/2003	Yang, C. Y., et al.	07/30/2002
	US-6,668,752	12/30/2003	Yao, Xiang Y.	06/16/1998
	US-6,780,753	08/24/2004	Latchford, Ian S., et al.	05/31/2002
	US-6,784,119	08/31/2004	Gaillard, Frederic , et al.	07/31/2003
	US-6,803,313	10/12/2004	Gao, P. , et al.	09/27/2002
	US-6,821,571	11/23/2004	Huang, Judy	06/18/1999
	US-6,825,114	11/30/2004	Fisher, P. A., et al.	04/28/2003
	US-6,841,341	01/11/2005	Fairbairn, Kevin , et al.	12/17/2002
	US-6,852,647	02/08/2005	Bencher, Christopher D.	03/07/2003
	US-6,864,556	03/08/2005	You, L , et al.	05/20/2005
	US-6,875,664	04/05/2005	Huang, R. J., et al.	08/29/2002
	US-6,875,687	04/05/2005	Weidman, Timothy	10/18/2000
	US-6,884,733	04/26/2005	Dakshina-Murthy, S. , et al.	08/08/2002

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/789,736
Filing Date	February 27, 2004
First Named Inventor	Yin, Zhiping
Group Art Unit	2891
Examiner Name	Wilson, Christian

Sheet 2 of 2

Attorney Docket No: 303.885US1

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	EP-0531232A2	03/10/1993	Franke, H. G., et al.	
	EP-1154468A2	11/14/2001	Fairbairn, K., et al.	
	JP-58-204534A	11/29/1983	Obayashi, H., et al.	
	WO-03038875A2	05/08/2003	Czech, G., et al.	
	WO-04012246A2	02/05/2004	Bonser, D. J., et al.	
	WO-05034216A1	04/14/2005	Sandhu, G. S., et al.	
	WO-05034229A1	04/14/2005	Yin, Z., et al.	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LIU, W., et al., "Generating Sub-30nm Poly-Silicon Gates Using PECVD Amorphous Carbon as Hardmask and Anti-Reflective Coating", <u>Proceedings of the SPIE, 5040</u> , Optical Microlithography XVI, Yen, A, (ed.), (02/25/2003), 841-848	
		SHIEH, J. -, et al., "Characteristics of Fluorinated Amorphous Carbon Films and Implementation of 0.15 micron Cu/a-C:F Damascene Interconnection", <u>Journal of Vacuum Science and Technology, 19</u> , (May, 2001), 780-787	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached